

## Vincent House, Liverpool

Merseyside, UK, 2018-2020

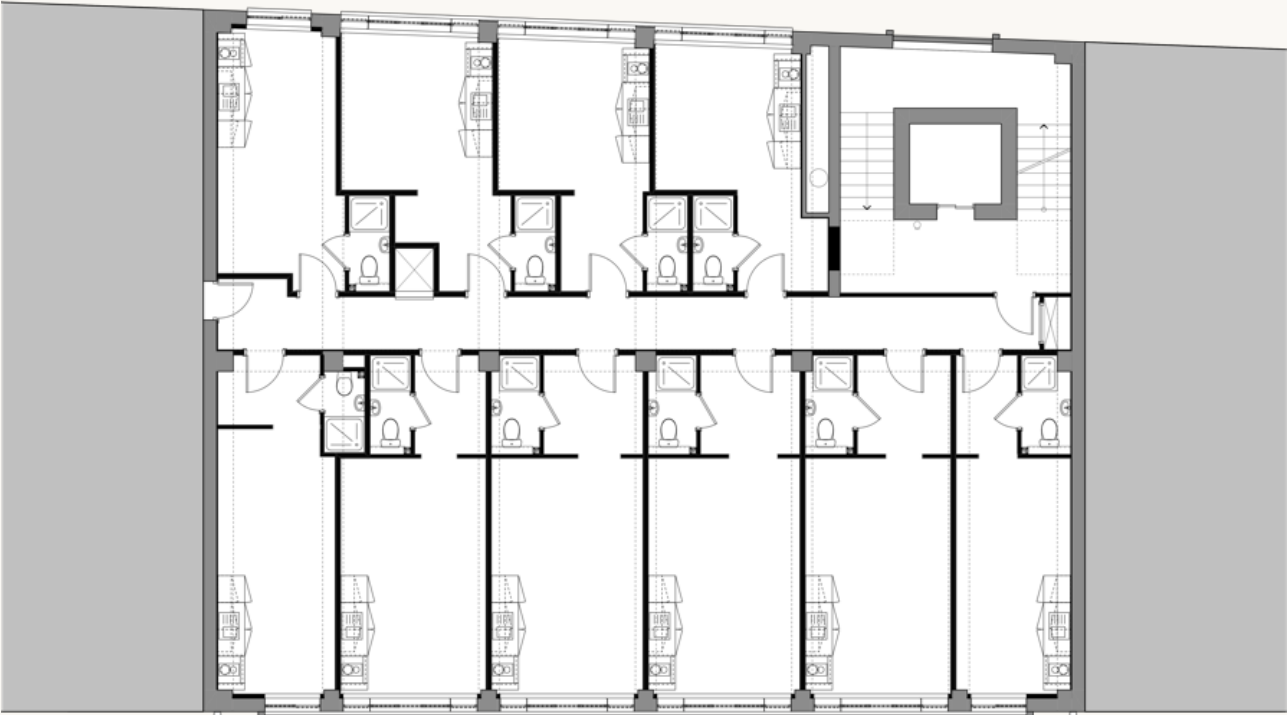
This project for the conversion of an existing concrete framed office block into 62 residential apartments followed the completion of a similar conversion project at Granite House, located just opposite on the same street. Both buildings were re-developed by the same contractor client in close succession, so as to enable the phasing of construction activities over a three year period, for the creation of a total of 93 new dwellings.

Vincent House which stands in what was - at the time, the UNESCO World Heritage Site dates back to the late 1950's and as such, is a relatively recent addition to the streetscape. In contrast, the Grade-II listed Muskars Buildings adjacent to the site and Grade-II listed Granite Buildings across the street, are much older and finely detailed commercial buildings which placed comprehensive heritage constraints on the proposed redevelopment of Vincent House.

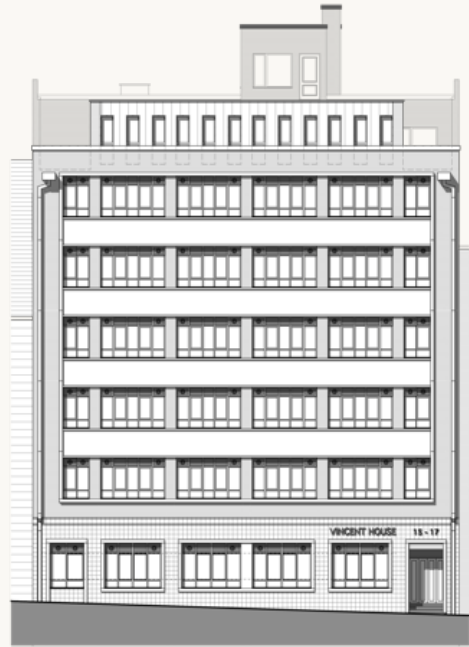
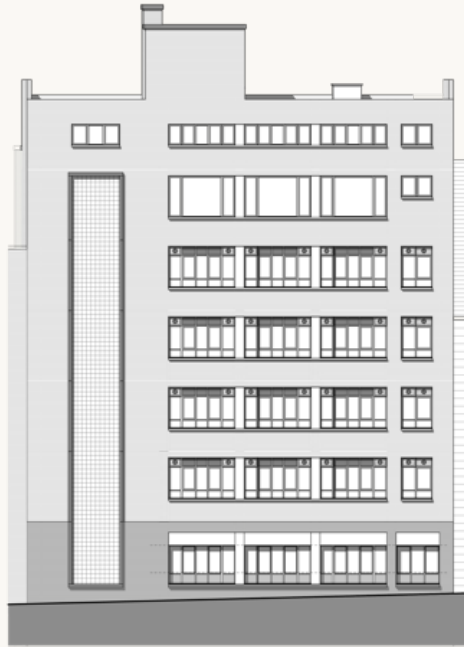
The proposal included the construction of a single-storey rooftop extension, which would enable the sixth floor to accommodate an additional three units. The structural solution for the rooftop extension necessitated the insertion of a steel frame into the existing roof construction - this was to reinforce the concrete frame already present and provide satisfactory support to the newbuild part of the project.

In-house integration of the structural elements into the BIM model and analysis of the routing of services, including clash detection and quantities take offs for materials, enabled a design solution which satisfied the structural requirements, whilst still adhering to the initial heritage constraints agreed with the planning department at the beginning of the project.

Date	2018-2020
Gross floor area	2,120m <sup>2</sup> / 22,820 sq.ft
Client	Vincent Building Management
Architect	Architecture Julien Denis
Structural Engineer	MDA Wirral
Heritage Consultant	Mosaic Town Planning
Images	Architecture Julien Denis



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